Cimara® · Cimara® Zircon

REPAIR SYSTEMS FOR CERAMIC VENEERS ON METAL OR ZIRCONIUM DIOXIDE FRAMES

VOCO
THE DENTALISTS

Cimara® · Cimara® Zircon

INTRAORAL ACID-FREE REPAIR OF VENEERS

Tooth-coloured crowns and bridges are standard treatments in dentistry today. Apart from its properties, the main reason why ceramic material is by far the most widely used material is because it can reproduce almost any tooth colour. (All-) ceramic restorations have therefore become a byword for high quality restorations. Despite the high strength of ceramics, mechanical effects are quite capable of damaging ceramic veneers or all-ceramic restorations or even of making them unusable, in some cases even during their fabrication.

Very small fractures in the region of the cusp tips or on the edges of occlusal surfaces are described as chip fractures. The term, chipping, covers this and other damage to the ceramic surfaces of a restoration. This chipping is often not noticed until it can be seen with the naked eye or the patient feels it with their tongue. Shear processes as a result of excessively high (masticatory) forces acting on the restoration or even the veneer flaking off from the zirconium dioxide or metal alloy frame are an additional source of problems. Studies [1,2,3,4,5] have confirmed the existence of chip fractures on a considerable proportion (more than 25%, in some cases up to 50%) of the veneered bridges on zirconium dioxide frames examined and up to 22% of the veneered bridges on metal frames. The percentage values were in the two digit range even in cases where the veneer had flaked off from zirconium dioxide and metal frames [6].

Fractures and visible damage to the ceramic veneering are always precarious situations for the patient and the dentist. Such damage can be rectified by replacing the restoration, a procedure which is always associated with time-consuming and complicated clinical procedures with corresponding costs.
Repairing the veneering with Cimara or Cimara Zircon is an economical, quick and “invisible” alternative.
Only a few steps are required to carry out permanent and aesthetically perfect repairs of veneerings on zirconium dioxide or metal frames, without the need to remove the restoration in the process. In many cases just attempting to remove the restoration necessitates its replacement! It takes about as long to carry out a repair with Cimara as it does to carry out restorative work with composite on the corners of a natural anterior tooth.
Specially developed primers matched to the respective frame (metal or zirconium dioxide) and matched adhesives form the basis of successful repairs with the high performance composite GrandioSO. All the components required are included in the respective set as well as a special grinding bur to condition the ceramic surfaces in the region of the defect.

The use of (hydrofluoric) acid is not required either when using Cimara or Cimara Zircon.
Only a few worksteps are required when repairing a veneer:

- Smoothing the ceramic surfaces around the defect
- Conditioning the ceramic/veneer ceramic surfaces with the ceramic universal grinding burs included in the sets

Use of Cimara® on metal ceramic restorations:

- Applying the coupling silane
- Covering the exposed metal frame with Cimara Opaquer LC and light polymerisation
- Applying Cimara Adhesive and light polymerisation
- Filling the defect with the composite GrandioSO
- Finishing and polishing concludes the restoration

Use of Cimara® Zircon on ceramic/zirconium dioxide frames:

- Applying the Cimara Zircon primer
- Applying Cimara Zircon Adhesive and light polymerisation
- Filling the defect with the composite GrandioSO
- Finishing and polishing concludes the restoration

Sources:
[1]Kerschbaum T, Faber FJ, Noll FJ et al. Komplikationen von Cercon-Restaurationen in den ersten fünf Jahren. Dtsch Zahnärztl Z 2009;64:81-89
[2]Larsson C, Vult van Steyern P, Sunzel B, Nilner K. All-ceramic two-to five-unit implant-supported reconstructions: A randomized, prospective clinical trial. Swed Dent J 2006;30:45-53
[3]Nothdurft FP, Pospiech P. Clinical evaluation of posterior bridges made from zirconia-Five years results. J Dent Res 2006; 85 (Spec Iss C):312
[4]Pospiech P. Vollkeramischer Restauratinen: Werkstoffkundliche und klinische Aspekte. In: Gernet W, Biffar R, Schwenzer N, Ehrenfeld M (Hrsg). Zahnärztliche Prothetik. 3. Aufl. Stuttgart: Thieme, 2007: 67-83.
[5]Reich S, Lohbauer U. Abplatzungen bei einer umfangreichen vollkeramischen Rehabilitation – Ursachendiskussion und Therapieoption. Aesthet Zahnmed 2008;11: 34-38
[6]Trac Research – Probleme mit Verblendkeramik auf Zirkonoxidgerüsten. In: CR Clinicians report 2010;10: 1-3

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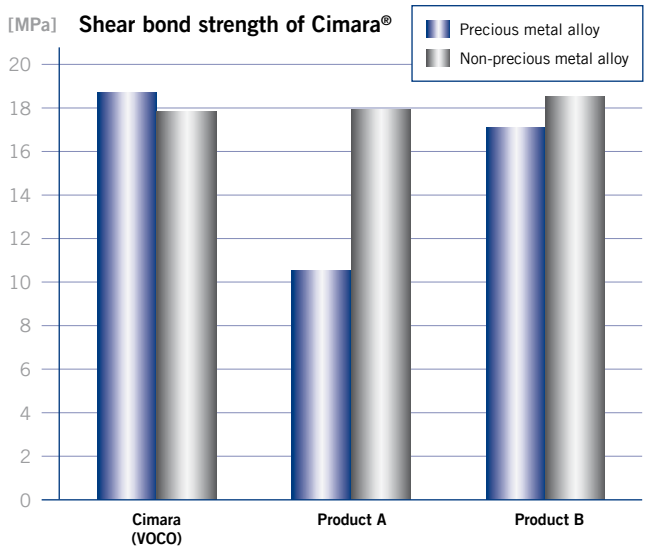
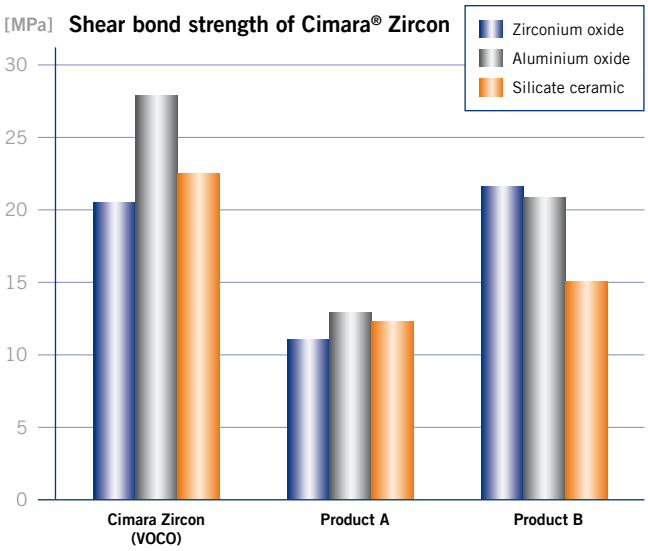
AESTHETIC REPAIR OF VENEERS





Source: VOCO, in-house measurements

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REPAIR RATHER THAN REPLACE

Cimara®

Indications

For the high-quality aesthetic repair of defects in ceramic veneer, fixed restorations on metal frames using composite

Advantages

- Acid-free ceramic repair at one session
- There is no need to remove and re-attach the restoration
- Simple processing steps with no additional equipment required
- Permanent bond between ceramic and composite
- High shear bond strength

Presentation of Cimara®

REF 1196 Set 8 × 0.3 ml coupling silane, adhesive bottle 4 ml, Opaquer LC 1.2 g syringe, GrandioSO Caps 8 × 0.25 g (A1, 2 × A2, 2 × A3, VC A3.25, A3.5, B2), accessories

REF 1197 4 × 0.3 ml coupling silane, accessories

REF 1198 Bottle 4 ml adhesive

REF 1575 Opaquer LC syringe 1.2 g, application tips Type 45

Cimara® Zircon

Indications

For the high-quality aesthetic repair of defects in fixed, all-ceramic restorations or ceramic veneer, fixed restorations on zirconium dioxide frames using composite

Advantages

- Inexpensive intraoral repair of defects in the ceramic veneer of zirconium dioxide restorations
- No intraoral use of acid
- Permanent repair in a shade matching the rest of the teeth, avoiding complicated and time-consuming measures such as removal of the restoration, taking an impression, temporary restorations...
- Simple processing step with no additional equipment required
- Permanent bond between ceramic and composite
- High shear bond strength

Presentation of Cimara® Zircon

REF 1421 Set primer bottle 5 ml, adhesive bottle 4 ml, GrandioSO Caps 8 × 0.25 g (A1, 2 × A2, 2 × A3, VC A3.25, A3.5, B2), accessories

REF 1422 Bottle 5 ml primer

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